

REMARKS/ARGUMENTS

The Examiner's rejection of claims under 35 U.S.C. 112 and 35 U.S.C.103(a) is fully traversed below.

Rejections under 35 U.S.C. 112

As noted by the Examiner, the specification states that the TLB is searched. It is respectfully submitted that those skilled in the art of computer science know that computer program code can be written to perform a specific function (e.g., search on a TLB). Accordingly, it is respectfully submitted that the Examiner's rejection is improper and should be withdrawn.

Rejection under 35 U.S.C. § 103(a)

The Examiner's rejection is improper for at least the following reasons:

a) Khalidi et al. does NOT teach or suggest: determining whether a translation table entry (TTE) corresponding with a selected virtual address is available in secondary memory assets when it is determined that a TLB entry having the selected virtual address is NOT found in the TLB (claim 1)

Contrary to the Examiner's assertion, it is respectfully submitted that the sections of *Khalidi et al.* which have been cited by the Examiner (Col. 4, lines 46-59, Col. 6, lines 41-67, and Col. 7, lines 1-20 and 30-40) do not teach or suggest this feature. Moreover, it is respectfully submitted that *Khalidi et al.* does NOT teach or suggest this feature.

b) Neither Khalidi et al. nor Mohamed teach or suggest testing a context identifier, associated with a selected virtual address, to determine the availability of a TTE (claim 1)

In the Final Office Action, the Examiner has asserted that *Mohamed* teaches this feature (Final Office Action, page 9, citing Col. 9, lines 7-13 of *Mohamed*).

The pertinent section of *Mohamed* is reproduced below for the Examiner's convenience:

It will however be evident that various modifications and changes can be made thereto without departing from the broader spirit and scope of the invention as set forth in the appended claims. The specification and drawings are, accordingly, to be regarded in an illustrative rather than a restrictive sense. Therefore, the scope of the invention should be limited only by the appended claims. [Mohamed, Col. 9, lines 7-13]

Clearly, the Examiner's rejection is improper. Moreover, it is respectfully submitted that neither *Khalidi et al.* nor *Mohamed* teach or suggest this feature.

c) Neither *Khalidi et al.* nor *Mohamed* teach or suggest the features recited when the testing of the associated context identifier determines that TTE is available (claim 1)

Based on the foregoing, it is believed to be evident that the cited art does NOT teach or suggest the features of (i) accessing the TTE, (ii) updating and (iii) returning based on testing the associated context.

d) Neither *Khalidi et al.* nor *Mohamed* teach or suggest the features recited when the testing of the associated context identifier determines that TTE is not available (claim 1)

It is respectfully submitted that neither *Khalidi et al.* nor *Mohamed* teach or suggest (i) selectively pausing until a TTE becomes available and (ii) returning based on testing the associated context identifier.

CONCLUSION

Based on the foregoing, it is submitted that the claims are patentably distinct over the cited art of record. Additional limitations recited in the independent claims or the dependent claims are not further discussed because the limitations discussed above are sufficient to distinguish the claimed invention from the cited art. Accordingly, Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner.

Applicants hereby petition for an extension of time which may be required to maintain the pendency of this case, and any required fee for such extension or any further fee required in connection with the filing of this Amendment is to be charged to Deposit Account No. 500388 (Order No. SUN1P766). Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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